

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)****Title of Invention** ROTOR ASSEMBLY OF SYNCHRONOUS MACHINE

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or
☒ Application No. 10/730,759, filed on December 8, 2003,
☐ as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one: Philip H. Mellor Citizen of: Great Britain
Signature: P.H. Mellor Date: 30/APRIL/04

Inventor two: Timothy J. Allen Citizen of: Great Britain
Signature: T. Allen Date: 30th April 2004

Inventor three: David Seniawski Citizen of: US
Signature: _____ Date: _____

Inventor four: Raymond Ong Citizen of: Canada
Signature: _____ Date: _____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: P.O. Box 1450, Alexandria, VA 22313-1450.



EXPRESS MAIL NO. EV449558246US

PTO/SB/01A (08-03).

Approved for use through 10/31/2002. OMB 0651-0032.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE.

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FULL NAME OF INVENTOR(S)Inventor one: Philip H. Mellor Citizen of: Great Britain

Signature: _____ Date: _____

Inventor two: Timothy J. Allen Citizen of: Great Britain

Signature: _____ Date: _____

Inventor three: David Seniawski Citizen of: USSignature: David Seniawski Date: 5/14/04Inventor four: Raymond Ong Citizen of: Canada

Signature: _____ Date: _____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 130209.491

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PTO/SB/01A (08-03).

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE.

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This declaration is directed to:

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☒ Application No. 10/730,759, filed on December 8, 2003,
☐ as amended on _____ (if applicable);

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I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.

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FULL NAME OF INVENTOR(S)Inventor one: Philip H. Mellor Citizen of: Great Britain

Signature: _____ Date: _____

Inventor two: Timothy J. Allen Citizen of: Great Britain

Signature: _____ Date: _____

Inventor three: David Seniawski Citizen of: US

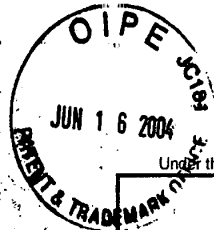
Signature: _____ Date: _____

Inventor four: Raymond Ong Citizen of: CanadaSignature: Raymond Ong Date: APRIL 1/2004☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 130209.491

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PTO/SB/81 (06-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	10/730,759
	Filing Date	December 8, 2003
	First Named Inventor	Philip H. Mellor
	Title	ROTOR ASSEMBLY OF SYNCHRONOUS MACHINE
	Art Unit	
	Examiner Name	
	Attorney Docket Number	130209.491

I hereby appoint:

☒ Practitioners at Seed IP Law Group PLLC, Customer Number: **00500**

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name				
Address				
City		State		ZIP
Country				
Telephone		Fax		

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ As assignee of record of the entire interest I/we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor(s).**SIGNATURE of Applicant or Assignee of Record**

Name	Noordin S.K. Nanji – Corporate Secretary
Signature	
Date	8-June-04
Name	Fred Flett – Vice-President, Product Development
Signature	
Date	1st June 04

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Philip H. Mellor et al.

Application No./Patent No.: 10/730,759 Filed/Issue Date: December 8, 2003

Entitled: ROTOR ASSEMBLY OF SYNCHRONOUS MACHINE

Ballard Power Systems Corporation

(Name of Assignee)

a

corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose titles are supplied below) are authorized to act on behalf of the assignee.

B June -04

Date

Noordin S.K. Nanji

Typed or printed name

Signature

Telephone Number

Corporate Secretary

Title

1 June -04

Date

Fred Flett

Typed or printed name

Signature

Telephone Number

Vice-President, Product Development

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

130209.491

466463_1

ASSIGNMENT

WHEREAS, we, Philip H. Mellor, Timothy J. Allen, David Seniawski and Raymond Ong (hereinafter referred to as ASSIGNORS), having mailing addresses of 32 Roslyn Road, Bristol, United Kingdom BS6 6NN; 2 Alders Road, Fareham, Hampshire, United Kingdom PO16 0SH; 510 Military Way, Palo Alto, California 94306-3234; and 41178 Clermont Avenue, Novi, Michigan 48375, respectively, are the joint inventors of an invention entitled "ROTOR ASSEMBLY OF SYNCHRONOUS MACHINE," as described and claimed in the specification for which an application for United States letters patent was filed on December 8, 2003, and assigned Application No. 10/730,759;

WHEREAS, Ballard Power Systems Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 15001 Commerce Drive North, Dearborn, Michigan 48120, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

X 30-APRIL-2004
Date

X P.H. Mellor
Philip H. Mellor

City of X FAREHAM

Country of X UK

ss.

I certify that I know or have satisfactory evidence that Philip H. Mellor is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated X 30 April 2004

Signature of Notary Public X

Printed Name X H.R. ALLEN TOWNSEND

My appointment expires X WITH LIFE

X 30th April 2004
Date

City of X Fareham

Country of X Uk.

X T. Allen
Timothy J. Allen

ss.

I certify that I know or have satisfactory evidence that Timothy J. Allen is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated X 30 April 2004

Signature of Notary Public X

Printed Name X H.R. ALLEN TOWNSEND

My appointment expires X WITH LIFE

X 5/15/04^{DS}
 Date

David Seniawski
 David Seniawski

State of X California

County of X Alameda

SS.

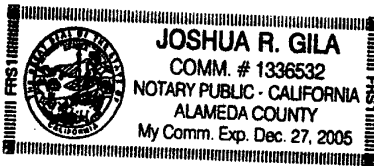
I certify that I know or have satisfactory evidence that David Seniawski is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated X 5/15/04

Signature of Notary Public X [Signature]

Printed Name X Joshua R. Gila

My appointment expires X 12/27/05



Date _____

Raymond Ong

State of _____)

County of _____)

SS.

I certify that I know or have satisfactory evidence that Raymond Ong is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____

Signature of Notary Public _____

Printed Name _____

My appointment expires _____

Date _____ David Seniawski
 State of _____)
 County of _____) ss.

I certify that I know or have satisfactory evidence that David Seniawski is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____
 Signature of _____
 Notary Public _____
 Printed Name _____
 My appointment expires _____

Date April 1/2004 _____
 State of Michigan)
 County of Wayne) ss.
 _____ Raymond Ong

I certify that I know or have satisfactory evidence that Raymond Ong is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated April 1, 2004 _____
 Signature of _____
 Notary Public _____
 Printed Name _____
 My appointment expires _____

ELBERT A. TAYLOR
 NOTARY PUBLIC WAYNE CO., MI
 MY COMMISSION EXPIRES JUL 8, 2004